	Waves		Interference
	Learning objectives	MUST (6)	Recall the characteristics of superposition, and what leads to constructive and destructive interference
		SHOULD (7)	Understand the term path difference in wave analysis, and what we mean by maxima and minima
		COULD (8/9)	Analyse wave interference to find wavelength/frequency of waves from the path difference

STARTER: This picture shows a dipper in a ripple tank, and the waves it produces. What would you see if you had another one next to it, operated by the same motor? Draw an overhead view in your book.

EXTENSION: How (if at all) would what you see change if some of the water was tipped out, to make the tank shallower?











